ABSTRACT OF THE DISCLOSURE

A microscope (1), preferably a confocal laser scanning microscope, having at least one light source, a detector, and two objectives (2), one of the objectives (2) being arranged on each of the two sides of the specimen plane (3) and the objectives (2) being directed toward one another and having a common focus; and at least one beam splitter (5) for distributing the illuminating light (6) to the objectives (2), and a beam recombiner (5) for combining the detected light (7) coming from the objectives (2), being provided in the illumination/detection beam path (4), is characterized, for selectable, subsequent implementation of ultrahigh-resolution microscope techniques, in that the objectives (2) and the beam splitter/beam recombiner (5) are grouped into a modular assembly (8); and the assembly (8) has an interface (9) for connection to the illumination/detection beam path (4) of the microscope (1).

(single Figure)